

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (withdrawn): An information recording device for recording three-dimensional information measured with a measuring device which measures the three-dimensional information on a body, comprising: storage means for storing measured data based on the three-dimensional information measured by said measuring device and protection information for protecting said measured data from being read out; and interface means for performing interface processing of storing the measured data based on the three-dimensional information output from said measuring device in said storage means and of reading out the measured data stored in said storage means to provide an external device.

Claim 2 (withdrawn): The information recording device according to Claim 1, wherein said protection information is enciphered.

Claim 3 (withdrawn): The information recording device according to Claim 1, wherein said protection information is information for specifying a person having a body of the three-dimensional information.

Claim 4 (withdrawn): The information recording device according to Claim 3, wherein said protection information is information showing the body characteristics of the person having the body of the three-dimensional information.

Claim 5 (withdrawn): The information recording device according to Claim 4, wherein said protection information is used as texture data of the three-dimensional information.

Claim 6 (withdrawn): The information recording device according to Claim 4, wherein said protection information is finger print information on the person having the body of the three-dimensional information.

Claim 7 (withdrawn): The information recording device according to Claim 4, wherein said protection information is voice information on the person having the body of the three-dimensional information.

Claim 8 (withdrawn): The information recording device according to Claim 3, wherein said protection information is a password set by the person having the body of three-dimensional information.

Claim 9 (withdrawn): The information recording device according to Claim 1, wherein said information recording device is a portable device.

Claim 10 (withdrawn): The information recording device according to Claim 1, wherein said storage means is a semiconductor memory.

Claim 11 (withdrawn): The information recording device according to Claim 1, wherein the three-dimensional information includes three-dimensional shape information and texture information on the body.

Claim 12 (withdrawn): The information recording device according to Claim 1, wherein said measured data includes parameters produced by comparing a standard three-dimensional model with the three-dimensional information.

Claim 13 (withdrawn): The information recording device according to Claim 1, wherein said measured data is hierarchically stored every part of the body.

Claim 14 (withdrawn): The information recording device according to Claim 13, wherein said measured data is hierarchically stored in accordance with the details of the parts of the body.

Claim 15 (withdrawn): The information recording device according to Claim 1, wherein said interface means receives the measured data from said measuring device through a communication circuit and provides the measured data for an external device through the communication circuit.

Claim 16 (withdrawn): A measuring device for measuring three-dimensional information on a body and for outputting measured data based on the three-dimensional information to an information recording device, comprising:

- measuring means for measuring the three-dimensional information on the body;
- input means for inputting protection information for protecting the measured data based on the three-dimensional information on the body from being read out from said information recording device; and
- interface means for outputting the measured data based on the three-dimensional information measured by said measuring means and the protection information input with said input means to said information recording device.

Claim 17 (withdrawn): The measuring device according to Claim 16, further comprising:

- storage means for storing data of standard three-dimensional models; and
- producing means for producing feature parameters by comparing the three-dimensional information measured by said measuring means with data of the standard three-dimensional model, wherein

said interface means outputs the feature parameters and the protection information to said information recording device.

Claim 18 (withdrawn): The measuring device according to Claim 16, wherein

said input means inputs information for specifying a person having a body of the three-dimensional information as protection information.

Claim 19 (withdrawn): The measuring device according to Claim 18,
wherein

said input means inputs information showing body characteristics of the person having the body of the three-dimensional information as the protection information.

Claim 20 (withdrawn): The measuring device according to Claim 19,
wherein

said input means inputs said protection information as texture data of the three-dimensional information.

Claim 21 (withdrawn): The measuring device according to Claim 19,
wherein

said input means inputs finger print information on the person having the body of the three-dimensional information as the protection information.

Claim 22 (withdrawn): The measuring device according to Claim 19,
wherein

said input means inputs voice information on the person of the body of the three-dimensional information as the protection information.

Claim 23 (withdrawn): The measuring device according to Claim 18,
wherein

said input means inputs a password set by the person having the body of the
three-dimensional information as the protection information.

Claim 24 (withdrawn): The measuring device according to Claim 16,
wherein

said interface means is so constituted that said information recording device can
be attached/detached.

Claim 25 (withdrawn): The measuring device according to Claim 16,
wherein

said measuring means measures the three-dimensional information and texture
data about the body as the three-dimensional information.

Claim 26 (withdrawn): The measuring device according to Claim 16,
wherein

said interface means provides said information recording device with the
measured data and the protection information through a communication circuit.

Claim 27 (withdrawn): A measuring method of measuring
three-dimensional information on a body and of outputting measured data based on the
three-dimensional information to an information recording device, comprising:

a measuring step of measuring three-dimensional information on the body;
an input step of inputting protection information for protecting the measured data based on the three-dimensional information on the body from being read out from said information recording device; and
an output step of outputting the measured data based on the three-dimensional information measured by said measuring step and the protection information input at said input step to said information recording device.

Claim 28 (withdrawn): The measuring method according to Claim 27, further comprising a producing step of producing feature parameters by comparing the three-dimensional information measured by said measuring step with standard three-dimensional model data stored in a storage unit, wherein said output step outputs the feature parameters and the protection information to said information recording device.

Claim 29 (withdrawn): The measuring method according to Claim 27, wherein said input step inputs information for specifying a person having the body of the three-dimensional information as the protection information.

Claim 30 (withdrawn): The measuring method according to Claim 29, wherein
said input step inputs information showing the body characteristics of the person having the body of the three-dimensional information as the protection information.

Claim 31 (withdrawn): The measuring method according to Claim 30,
wherein

said input step inputs the protection information as texture data of the
three-dimensional information.

Claim 32 (withdrawn): The measuring method according to Claim 30,
wherein

said input step inputs finger print information on the person having the body of
the three-dimensional information as the protection information.

Claim 33 (withdrawn): The measuring method according to Claim 30,
wherein

said input step inputs voice information on the person having the body of the
three-dimensional information as the protection information.

Claim 34 (withdrawn): The measuring method according to Claim 29,
wherein

said input step inputs a password set by the person having the body of the
three-dimensional information as the protection information.

Claim 35 (withdrawn): The measuring method according to Claim 27,
wherein

said output step outputs the measured data and the protection information to said information recording device which is so constructed as to be attached/detached to/from an information processing device which executes said measuring method.

Claim 36 (withdrawn): The measuring method according to Claim 27,
wherein

said measuring step measures the three-dimensional information and texture data about the body as the three-dimensional information.

Claim 37 (withdrawn): The measuring method according to Claim 27,
wherein

said output step provides the measured data and the protection information for said information recording device through a communication circuit connected to an information processing device which executes said measuring method.

Claim 38 (withdrawn): An information providing medium for measuring three-dimensional information on a body and for providing an information processing device with control information for outputting measured data based on the three-dimensional information to an information recording device, wherein:

said control information includes:

a measuring command to measure the three-dimensional information on the body;

an input command to input protection information for protecting the measured data based on the three-dimensional information on the body from being read out from said information recording device; and

an output command to output the measured data based on the three-dimensional information measured based on said measuring command and the protection information input based on said input command.

Claim 39 (withdrawn): The information providing medium according to Claim 38, wherein:

the control information further includes a producing command to produce feature parameters by comparing the three-dimensional information measured based on said measuring command with the standard three-dimensional model data stored in a storage unit; and

said output command is a command to output the feature parameters and the protection information to said information recording device.

Claim 40 (withdrawn): The information providing medium according to Claim 38, wherein

said input command is a command to input information for specifying the person having the body of the three-dimensional, information as the protection information.

Claim 41 (withdrawn): The information providing medium according to Claim 40, wherein

said input command is a command to input information showing the body characteristics of the person having the body of the three-dimensional information as the protection information.

Claim 42 (withdrawn): The information providing medium according to Claim 41, wherein

said input command is a command to input the protection information as texture data of the three-dimensional information.

Claim 43 (withdrawn): The information providing medium according to Claim 41, wherein

said input command is a command to input finger print information of the person having the body of the three-dimensional information as the protection information.

Claim 44 (withdrawn): The information providing medium according to Claim 41, wherein

said input command is a command to input voice information of the person having the body of the three-dimensional information as the protection information.

Claim 45 (withdrawn): The information providing medium according to Claim 40, wherein

said input command is a command to input a password set by the person having the body of the three-dimensional information as the protection information.

Claim 46 (withdrawn): The information providing medium according to Claim 38, wherein

said output command is a command to output the measured data and the protection information to said information recording device which is so constructed as to be attached/detached to/from an information processing device which executes the control information.

Claim 47 (withdrawn): The information providing medium according to Claim 38, wherein

said measuring command is a command to measure three-dimensional shape information and texture information on the body as the three-dimensional information.

Claim 48 (withdrawn): The information providing medium according to Claim 38, wherein

said output command is a command to provide the measured data and the protection information for said information recording device through a communication circuit connected to an information processing device which executes said control information.

Claim 49 (previously presented): An information processing device comprising:

means for reading out measured data based on three-dimensional shape information and texture information on a body, and for reading out protection information for protecting the measured data from being read out;

interface means for performing interface processing to read out the measured data and the protection information from said information recording device;

input means for inputting authentication information for authenticating the reading-out of the measured data from said information recording device;

authenticating means for reading out the protection information from said information recording device through said interface means and for performing authentication processing using the authentication information input by said input means;

control means for controlling the reading-out of the measured data from said information recording device in accordance with the authentication result by said authenticating means; and

processing means for performing prescribed processing utilizing the measured data which is read out to generate feature parameters on a model.

Claim 50 (original): The information processing device according to Claim 49, further comprising

storage means for recording standard three-dimensional model data, wherein:

the measured data includes feature parameters produced by being compared with a standard three-dimensional model; and

said processing means performs prescribed processing based on data produced by applying the feature parameters read out from said information recording device to the standard three-dimensional model data.

Claim 51 (previously presented): The information processing device according to Claim 50, wherein

said storage means stores data for a model that is different from the standard three-dimensional model which is used to produce the feature parameters recorded with said information recording device, as the standard three-dimensional model data.

Claim 52 (original): The information processing device according to Claim 49, wherein

said input means inputs information for specifying a person having the body of the three-dimensional information as authentication information.

Claim 53 (original): The information processing device according to Claim 52, wherein

said input means inputs information showing the body characteristics of the person having the body of the three-dimensional information as the authentication information.

Claim 54 (original): The information processing device according to Claim 53, wherein

said input means inputs the authentication information as texture data of the three-dimensional information.

Claim 55 (original): The information processing device according to Claim 53,
wherein

said input means inputs finger print information of the person having the body of the
three-dimensional information as the authentication information.

Claim 56 (original): The information processing device according to Claim 53,
wherein

said input means inputs voice information of the person having the body of the
three-dimensional information as the authentication information.

Claim 57 (original): The information processing device according to Claim 52,
wherein

said input means inputs a password set by the person having the body of the
three-dimensional information as the authentication information.

Claim 58 (original): The information processing device according to Claim 49,
wherein

said interface means is so constructed that said information recording device can be
attached/detached.

Claim 59 (cancelled).

Claim 60 (original): The information processing device according to Claim 49,
wherein

said interface means receives the measured data and the protection information from said
information recording device through an communication circuit.

Claim 61 (original): The information processing, device according to Claim 49,
wherein:

said information recording device hierarchically stores the measured data every part of
the body; and

said processing means selects and utilizes any hierarchy of measured data out of the
measured data.

Claim 62 (original): The information processing device according to Claim 49,
wherein:

said information recording device hierarchically stores the measured data in accordance
with the details of the parts of the body; and

said processing means selects and utilizes any hierarchy of measured data out of the
measured data.

Claim 63 (original): The information processing device according to Claim 49,
wherein

said control means performs control to delete the measured data recorded with said information recording device, when said authenticating means detects the dishonest authentication result a predetermined number of times.

Claim 64 (previously presented): An information processing method comprising:
reading out measured data based on three-dimensional shape information and texture information on a body from an information recording device which records the measured data;
reading protection information for protecting the measured data from being read out;
inputting authentication information for authenticating the reading-out of the measured data from said information recording device;

reading out the protection information from said information recording device and of performing authentication processing using the authentication information input at said input step;

controlling the reading-out of the measured data from said information recording device in accordance with the authentication result of said authenticating step; and

performing prescribed processing for generating feature parameters on a model using the measured data read out from said information recording device under the control of said control step.

Claim 65 (original): The information processing method according to Claim 64, wherein:

said measured data includes feature parameters produced by a1 being compared with a standard three-dimensional model; and

said processing step performs prescribed processing based on data produced by applying the feature parameters read out from said information recording device to the standard three-dimensional model data stored in a storage unit.

Claim 66 (original): The information processing method according to Claim 65, wherein

the standard three-dimensional model data is model data different from the standard three-dimensional model used to produce the feature parameters recorded with said information recording device.

Claim 67 (original): The information processing method according to Claim 64, wherein

said input step inputs information for specifying a person having the body of the three-dimensional information as the authentication information.

Claim 68 (original): The information processing method according to Claim 67, wherein

said input step inputs information showing the body characteristics of the person having the body of the three-dimensional information as the authentication information.

Claim 69 (original): The information processing method according to Claim 68, wherein

said input step inputs the authentication information as texture data of the three-dimensional information.

Claim 70 (original): The information processing method according to Claim 68, wherein

said input step inputs finger print information on the person having the body of the three-dimensional information as the authentication information.

Claim 71 (original): The information processing method according to Claim 68, wherein

said input step inputs voice information on the person having the body of the three-dimensional information as the authentication information.

Claim 72 (original): The information processing method according to Claim 67, wherein

said input step inputs a password set by the person having the body of the three-dimensional information as the authentication information.

Claim 73 (original): The information processing method according to Claim 64, wherein

said control step controls the reading-out of the measured data from said information recording device which is so constructed as to be attached/detached to/from an information processing device which executes said information processing method.

Claim 74 (original): The information processing method according to Claim 64,
wherein

said measured data includes three-dimensional shape information and texture information
on the body.

Claim 75 (original): The information processing method according to Claim 64,
wherein

said control step receives the measured data from said information recording device
through a communication circuit connected to an information processing device which executes
said information processing method.

Claim 76 (original): The information processing method according to Claim 64,
wherein

said processing step selects and utilizes any hierarchy of measured data out of the
measured data hierarchically stored every part of the body in said information recording device.

Claim 77 (original): The information processing method according to Claim 64,
wherein

said processing step selects and utilizes any hierarchy of measured data out of the
measured data hierarchically stored in accordance with the details of the parts of the body in said
information recording device.

Claim 78 (original): The information processing method according to Claim 64,
wherein

said control step performs control to delete the measured data recorded with said
information recording device, when said authenticating step detects the dishonest authentication
result a predetermined number of times.

Claim 79 (previously presented): An information providing medium storing
instructions for providing an information processing device with control information for
performing prescribed processing, wherein said control information comprises:

instructions for reading out measured data based on three-dimensional shape information
and texture information on a body from an information recording device which records the
measured data and reading out protection information for protecting the measured data from
being read out;

an input command to input authentication information for authenticating the reading-out
of the measured data from said information recording device;

an authenticating command to read out the protection information from said information
recording device and to perform authentication processing utilizing the authentication
information input based on said input command;

a control command to control the reading-out of the measured data from said information
recording device in accordance with the authentication result based on the authenticating
command; and

a processing command to perform prescribed processing to generate feature parameters on a model utilizing the measured data read out from said information recording device under the control of said control command.

Claim 80 (original): The information providing medium according to Claim 79, wherein:

the measured data includes feature parameters produced by being compared with a standard three-dimensional model; and

said processing command is a command to perform prescribed processing based on data produced by applying the feature parameters read out from said information recording device to the standard three-dimensional model data stored in a storage unit.

Claim 81 (original): The information providing medium according to Claim 80, wherein

the standard three-dimensional model data is model data different from the standard three-dimensional model used to produce the feature parameters stored in said information recording device.

Claim 82 (original): The information providing medium according to Claim 79, wherein

said input command is a command to input information for specifying the person having the body of the three-dimensional information as the authentication information.

Claim 83 (original): The information providing medium according to Claim 82,
wherein

said input command is a command to input information showing the body characteristics
of the person having the body of the three-dimensional information as the authentication
information.

Claim 84 (original): The information providing medium according to Claim 83,
wherein

said input command is a command to input the authentication information as texture data
of the three-dimensional information.

Claim 85 (original): The information providing medium according to Claim 83,
wherein

said input command is a command to input finger print information on the person having
the body of the three-dimensional information as the authentication information.

Claim 86 (original): The information providing medium according to Claim 83,
wherein

said input command is a command to input voice information on the person having the
body of the three-dimensional information as the authentication information.

Claim 87 (original): The information providing medium according to Claim 82,
wherein

said input command is a command to input a password set by the person having the body of the three-dimensional information as the authentication information.

Claim 88 (original): The information providing medium according to Claim 79, wherein

said control command is a command to control the reading-out of the measured data from said information recording device which is so constructed as to be attached/detached to/from an information processing device which executes the control information.

Claim 89 (original): The information providing medium according to Claim 79, wherein

said measured data includes three-dimensional shape information and texture information on the body.

Claim 90 (original): The information providing medium according to Claim 79, wherein

said control command is a command to receive the measured data from said information recording device through a communication circuit connected to an information processing device which executes the control information.

Claim 91 (original): The information providing medium according to Claim 79, wherein

said processing command is a command to select and utilize any hierarchy of measured data out of the measured data hierarchically stored in said information recording device every part of the body.

Claim 92 (original): The information providing medium according to Claim 79, wherein

said processing command is a command to select and utilize any hierarchy of measured data out of the measured data hierarchically stored in said information recording device in accordance with the details of the parts of the body.

Claim 93 (original): The information providing medium according to Claim 79, wherein

said control command includes a command to control to delete the measured data recorded with said information device when the authentication result based on said authentication command is dishonest a predetermined number of times.

Claim 94 (original): An information processing system comprising
a measuring device for measuring three-dimensional shape and texture information on a
body

an information recording device for recording measured data based on the
three-dimensional information measured by said measuring device; and

an information processing device for reading out the measured data from said information
recording device and performing prescribed processing, wherein:

said information recording device comprises:

first storage means for storing measured data based on the three-dimensional information measured by said measuring device and protection information for protecting the measured data from being read out; and

first interface means for performing interface processing of storing measured data based on the three-dimensional information output from said measuring device in said storage means and of reading out the measured data stored in said storage means to provide an external device;

said measuring device comprises:

measuring means for measuring three-dimensional information on the body;

first input means for inputting protection information for protecting the measured data based on the three-dimensional information of the body from being read out from said information recording device; and

second interface means for outputting the measured data based on the three-dimensional information measured by said measuring means and protection information input by said input means, to said information recording device; and said information processing device comprises:

third interface means for performing interface processing of reading out the measured data and the protection information from said information recording device;

second input means for inputting authentication information for authenticating the reading-out of the measured data from said information recording device;

authenticating means for reading out the protection information from said information recording device through said interface means and for performing authentication processing utilizing the authentication information input by said input means;

control means for controlling the reading-out of the measured data from the information recording device in accordance with the authentication result of said authenticating means; and

processing means for performing prescribed processing for generating feature parameters on a model utilizing the measured data read out from said information recording device through said interface means under the control of said control means.

Claim 95 (previously presented): An information processing method in an information processing system composed of a measuring device for measuring three-dimensional information on a body, an information recording device for recording measured data based on the three-dimensional information measured by said measuring device, and an information processing device for reading out the measured data from said information recording device and performing prescribed processing, the method comprising:

a measuring step of measuring three-dimensional shape information and texture information on the body;

a first input step of inputting protection information for protecting the measured data based on the three-dimensional information on the body from being read out from said information recording device; and

an output step of outputting the measured data based on the three-dimensional shape information and texture information measured by said measuring step and the protection information input at said input step, to said information recording device; and

a second input step of inputting authentication information for authenticating the reading-out of the, measured data from said information recording device;

an authenticating step of reading out the protection information from said information recording device and of performing authentication processing utilizing the authentication information input at said input step;

a control step of controlling the reading-out of the measured data from said information recording device in accordance with the authentication result of said authenticating step; and

a processing step of performing prescribed processing for generating feature parameters on a model utilizing the measured data read out from said information recording device under the control of said control step.

Claim 96 (previously presented): An information providing medium for providing control information for executing processing for an information processing system composed of a measuring device for measuring three-dimensional information on a body, an information recording device for recording measured data based on the three-dimensional information measured by said measuring device, and an information processing device for reading out the measured data from said information recording device and performing prescribed processing, wherein said control information comprises:

a measuring command to measuring three-dimensional shape information and texture information on the body;

a first input command to input protection information for protecting the measured data based on the three-dimensional shape information and texture information on the body from being read out from said information recording device; and

an output command to output the measured data based on the three-dimensional shape information and texture information measured by said measuring step and the protection information input at said input step, to said information recording device; and

a second input command to input authentication information for authenticating the reading-out of the measured data from said information recording device;

an authenticating command to read out the protection information from said information recording device and to perform authentication processing utilizing the authentication information input at said input step;

a control command to control the reading-out of the measure data from said information recording device in accordance with the authentication result of said authenticating step; and

a processing command to perform prescribed processing for generating feature parameters on a model utilizing the measured data read out from said information recording device under the control of said control step.